

L 4497-66

ACC NR: AP5023274

ASSOCIATION: none

SUBMITTED: 00

ENCL: 01

SUB CODE: EC, IE

NO REF SOV: 000

OTHER: 000

Card 2/3

L 4497-66

ACC NR: AP5023274

ENCLOSURE: 01

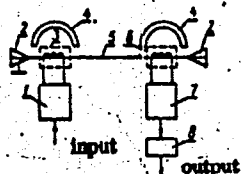


Figure 1. Block diagram of the magnetostriction delay line = 1 - Input signal shaper; 2 - muffler; 3 - transmitter magnetostriction converter; 4 - permanent magnets; 5 - sound duct; 6 - receiver magnetostriction converter; 7 - output signal amplifier; 8 - pulse spreader.

Card 3/3

0046

U 00405-01 ENF(A)/ENF(L)/ENF(V)/ENF(K)/ENF(H)/ENF(J) GD

ACC-NR: AT6029231

SOURCE CODE: UR/0000/66/000/000/0143/0152

AUTHOR: Sukhomlinov, M. M.; Ferenets, N. K.; Onishchenko, E. L.; Pelipenko, N. I.; Shikalov, V. S.; Kholmskaya, Ye. V.; Sirotyan, V. G.; Dodonova, G. M.

ORG: none

TITLE: Digital-analog computer system using magnetostrictive delay lines

SOURCE: Vsesoyuznaya konferentsiya-seminar po teorii i metodam matematicheskogo modelirovaniya. 4th, Kiev, 1964. Vychislitel'naya tekhnika i upravlenii (Computer technology in control engineering); trudy konferentsii. Moscow, Izd-vo Nauka, 1966, 143-152

TOPIC TAGS: digital differential analyzer, circuit delay line, magnetostriction, computer control system

ABSTRACT: The authors describe the design and performance of a digital differential analyzer using magnetostrictive delay lines as memory elements. The authors claim that such a memory has the advantages of a high speed ferrite core memory and the economy of a magnetic drum. The digital differential analyzer has the following parameters: 32 integrators, binary operational code, 20 bit words, 250 KHz cycle rate, 400 operations per second, and error not exceeding 0.01%. The operational program and the initial conditions are entered manually through switches on a control console. The data entry can be manual, using decimal or binary codes, or automatic. The digital

Cord 1/3

L 06405-67

ACC NR: AT6029231

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differential analyzer consists of a memory, computational unit, control unit, input and output equipment, control console and code converters. Of particular interest is the design and performance of the memory. The memory uses eight magnetostrictive delay lines, shown diagrammatically in fig. 1. The lines circulate the initial conditions data, the program, the increments, the intermediate results, and other information.

The electrical pulses are converted into acoustical signals utilizing the magnetostrictive phenomenon. The acoustic material should be a nickel-iron-titanium alloy, which reduces the temperature effects on the delay time; in the absence of such material, nickel wire of medium hardness can be used. The diameter of the wire is very important. It determines the resolution of the delay line and the magnitude of the output signal. The thinner the wire, the better the resolution and the lower the output signal. An optimum diameter for a 250-1000 KHz signal rate is 0.5-0.8 mm. To reduce the reflection coefficient and physical dimensions, the delay line is formed into a flat Archimedes spiral housed in a flat cylindrical enclosure. The performance specifications for the ultrasonic delay line are as follows: operating frequency 50-1000 KHz, delay time 800-3000 microseconds, resolution 0.5-2 microseconds, signal-to-noise ratio greater than 4, and power consumption 1.5 w. The other functional units of the digital differential analyzer are described in detail. Block diagrams and performance data are given. Orig. art. has: 1 table, 6 formulas, 4 figures.

Card 2/3

L 06405-67

ACC NR: AT6029231

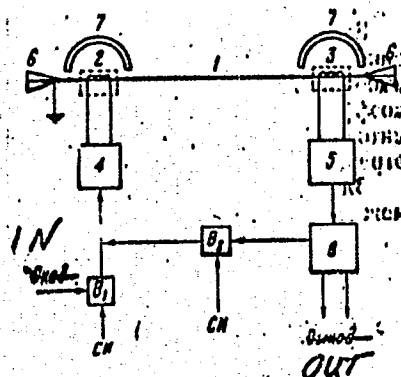


Fig. 1. A block diagram of the memory unit

- 1 - ultrasonic delay line; 2 - the electro-acoustic transducer;
- 3 - receiving coil; 4 - the input driver; 5 - output amplifier;
- 6 - dampers; 7 - permanent magnets; 8 - pulse stretcher;
- $B_1$  and  $B_2$  - signal gates.

SUB CODE: 09/ SUBM DATE: 12Feb66/ ORIG REF: 005/ OTH REF: 000

Card 3/3

PERENETS, V.A.

Improving the sensitivity of magnetic gas analyzers. Izv. vys. ucheb. zav.; prib. no.2:41-46 '59. (MIRA 13:2)

1. Kazanskiy aviatsionnyy institut. Rekomendovana orgkomitetom meshvuzovskoy konferentsii po elektroizmeritel'nyy priboram i tekhnicheskim sredstvam avtomatiki.

(Radiometer)

ACCESSION NR: AP3000245

S/0119/63/000/005/0006/0009

AUTHOR: Ferenets, V. A.

TITLE: Some peculiarities in the operation of a two-thermistor bridge circuit

SOURCE: Pribozostroyeniye, 1963

TOPIC TAGS: thermistor, thermistor-type bridge, thermistor-bridge measurements, thermistor-bridge relay, MT-54 thermistor, KMT-14 thermistor

ABSTRACT: A symmetrical bridge circuit with two adjacent thermistor arms is studied theoretically and experimentally. Experimental dynamic resistance vs. current and current-voltage characteristics of types MT-54 and KMT-14 thermistors are presented, as well as a few static relay characteristics of the thermistor-bridge circuit. The following conclusions are offered: (a) the operating stability of the thermistor bridge depends not only on the values of the linear resistors in the bridge arms but also on the resistance of the measuring diagonal; (b) the resistances selected for the thermistor bridge should be checked against the stability diagram (Enclosure 1, fig. 2); (c) the thermistor bridge circuit can be designed for a relay effect which manifests itself in the value and polarity (phase) of the output signal. Orig. art. has: 14 formulas and 4 figures.

Card 1/3

L 5195-66

ACC NR: AP5025071

SOURCE CODE: UR/0286/65/000/016/0130/0130

AUTHORS: Ferenets, V. A.; Vishnyak, Ye. B.; Dubrovskiy, Kh. K.

ORG: none

20  
B

TITLE: Shelter for an aircraft. Class 65, No. 174083

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 130

TOPIC TAGS: steel structure, aircraft maintenance, aircraft

ABSTRACT: This Author Certificate presents an aircraft shelter for repair. This shelter duplicates in its plan the shape of the aircraft. To ensure the possibility of bringing the aircraft in and out without dismantling the shelter, the supporting body of the shelter is made out of a cantilever which is suspended by means of guy wires attached to columns (see Fig. 1).

Card 1/2

UDC: 629.139.25 725.391

0010773



L 5195-66

ACC NR: AP5025071

SOURCE CODE: UR/0286/65/000/016/0130/0130

AUTHORS: Ferenets, V. A.; Vishnyak, Ye. B.; Dubrovskiy, Kh. K.

ORG: none

20  
B

TITLE: Shelter for an aircraft. Class 65, No. 174083

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 16, 1965, 130

TOPIC TAGS: steel structure, aircraft maintenance, aircraft

ABSTRACT: This Author Certificate presents an aircraft shelter for repair. This shelter duplicates in its plan the shape of the aircraft. To ensure the possibility of bringing the aircraft in and out without dismantling the shelter, the supporting body of the shelter is made out of a cantilever which is suspended by means of guy wires attached to columns (see Fig. 1).

Card 1/2

UDC: 629.139.25 725.391

0010773

LOZINSKIY, M.G.; FERENETS, V.Ya.

Experimental determination of the role of grain boundaries  
in the general deformation of platinum during tension at a  
constant speed and heating from 20-1000°. Fiz. met. i metal-  
loved. 16 no.3:409-415 S '63. (MIRA 16:11)

1. Institut mashinovedeniya AN SSSR.

LOZINSKIY, M.G. (Moskva); FERENETS, V. Ya.

Effect of cyclic temperature fluctuations and tensile stresses  
on changes in the microhardness along the cross-section of grains  
and deformations occurring in commercial-grade iron. Izv. AN SSSR  
Met. i gor. delo no.2:97-104, Apr '64 (MIRA 17:8)

LOZINSKIY, M.G.; FERENETS, V. Ya.

Effect of cyclic  $\alpha \rightleftharpoons \gamma$ -transformations on shape modifications  
of iron specimens. Metalloved. i term. obr. met. no.12:42-43  
D '64 (MIRA 18:2)

1. Institut mashinovedeniya Gosudarstvennogo komiteta po  
mashinovedeniyu pri Gosplane SSSR.

1045005

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ign temperatures

AN USSR. Nauchnyy\* v sovet po probleme zharoprochny\* kh splavov.  
splavov (splavov to steel)

1045005

1045005. high temperature stretching. nickel-steel alloys. metal deformation.  
1045005. high temperature stretching. nickel-steel alloys. metal deformation.

importance of different deformation processes in the study of metallography. The present article includes data on the results of tests conducted on the IMASH-60 machine. The results of tests of 5x20 mm nickel samples with grain size variation was also presented. The IMASH-60 machine is a

graphic tests. The grain size variation was calculated by the Roshinger equations. Etching was measured on a PMT-3 table with 130X magnification. The quantity and size of crystalline fractures was also measured. The main variations in etched grain shape for different testing conditions are shown in Figures 1 and 2 of the Enclosure. An



L 9962-45

ACCESSION NR. AT4046869

D

The difference in deformation processes at the surface and inside the nickel is explained

by the difference in the upper layers and the lower layers.

Fig. 1. Deformation of a nickel specimen.

UNIT: 00000004

ENCL: 02

SUB CODE: MM

DATE: 00000002

OTHER: 010



L-42303-66 EWT(d)/EWT(m)/EWP(v)/ETI/EWP(k)/EWP(h)/EWP(l)/EWP(t) IJP(c) JD/W

ACC NR: AP6016307

SOURCE CODE: UR/0380/66/000/001/0096/0106

AUTHOR: Goncharov, P. P. (Moscow); Lozinskiy, M. G. (Moscow); Ferenets, V. Ya. (Moscow)

ORG: none

TITLE: Stereophotogrammetric measurement of extrusion-intrusion microrelief appearing during the plastic deformation of nickel

SOURCE: Mashinovedeniye, no. 1, 1966, 96-106

TOPIC TAGS: surface property, metal deformation, nickel, annealing, heat resistant alloy, metalworking

ABSTRACT: The subject of the investigation was nickel of industrial grade, Brand NP-2, of the following composition, %: 0.02 iron; 0.01 manganese; 0.03 copper; 0.015 zinc; and 0.014 sulfur. This brand is the base of many heat resisting alloys. After mechanical working, the samples were annealed in a vacuum at 1100° for 1.5 hours. The transverse grain size was 0.22-0.28 mm. Tests were made of the kinetics of the deformation of the nickel samples during elongation tests in a vacuum in a Type IMASh-5S unit, at a constant rate of 1200%/hour, at 20° and at 800°. A method is described for the quantitative evaluation, using photogrammetry, of the deformation microrelief on the surface of the

Card 1/2

UDC: 620.1622/546.74:539.37/38

L 42303-66

ACC NR: AP6016307

samples over a wide range of temperatures. Microphotographs and stereoscopic photographs are given of samples of nickel deformed at a constant rate of elongation of 1200%/hour at 12.5 and 24.2% at 20°, and at 7.5 and 18.3% at 800°. Orig. art. has: 1 formula and 9 figures.

SUB CODE: 11,13,20/SUBM DATE: 26Aug65/ ORIG REF: 007

Card

2/2

PERENS, Boguslaw (Warszawa)

Operation analysis of a thermoelectric cooler. Archiw bud masz  
10 no. 3: 297-313 '63.

FERENS, Boguslaw, mgr inz.

Measuring methods of parameters of the physical properties of semiconductor materials. Pomiary 8 no.11:519-522 N '62.

1. Katedra Teorii Maszyn Ciepłych, Politechnika, Warszawa.

FERENS, Boguslaw, mgr.inz., adiunkt

Thermoelectric freezing. Problemy 18 no.6:400-403 '62.

1. Katedra Teorii Maszyn Ciepłych, Politechnika, Warszawa.

FERENS, Bronislaw

"Animals from my sketchbook" by Jan Sokolowski. Reviewed by  
Bronislaw Ferens. Wszechswiat no.5:140-162.

FERENS, Bronislaw (Krakow)

"Tatra National Park" ed. by W. Szafer. Reviewed by Bronislaw  
Ferens. Czasop geograf 34 no.3:325 '63.

FERENS, Bronislaw

Notes on the behavior and activity of birds during the polar day in the Arctic. Prace zool no.6:137-158 '62.

1. Department of Animal Psychology and Ethology, Jagiellonian University, Krakow. Head: ptof. dr R.J. Wojtusiak.



1ST AND 2ND COORDS										3RD AND 4TH COORDS									
PROCESSING AND PROPERTY INDEX																			
FERENS, B.																			
<p>Orientation and flight of birds. IV. R. J. WEISSMAN and B. FERENS (Bull. Acad. Polonaise, 1964, 11, 173-181). The sense of flight of <i>Hirundo rustica</i> L. reaches maximum only up distances less than 100 km; it decreases considerably at greater distances. The orientation in space of swallows returning to their nest from great distances does not depend on optical impressions; they are important only in a familiar landscape. Birds have a special "sense of orientation". A. S.</p>																			
ASD-51A DETAILORICAL LITERATURE CLASSIFICATION																			
1ST AND 2ND COORDS										3RD AND 4TH COORDS									
1ST AND 2ND COORDS										3RD AND 4TH COORDS									

"The new ways of hunting and game protection in Poland," p. 3 (CITIZENRY PRZYRODE  
GOSYSTWA, Vol. 2, no. 1, Jan./Feb. 1953, Warsaw)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress  
August, 1953, Uncl.

FERENS, B.

"The problem of salmon fishing with electric current." (p. 19). CHRONMY PRZYRODE  
OBCZYSTA (Panstwowa Rada Ochrony Przyrody) Krakow, Vol 9, No 5, Sept./Oct.1953.

SO: East European Accessions List, Vol 3, No 8, Aug 1954

FERENS, B.

Impressions from the 5th General Assembly of the International Office for the  
Protection of Nature and from the visit in Scotland. p. 680  
(KOSMOS. SERIA A: BIOLOGIA. Vol. 5, no. 6, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (MEAL) LC, Vol. 6, No. 9 Sept. 1957 Uncl.

12 ERENS 13.

ERENS, B.

Ornithological researches in the Beskids of the Zywiec region.

p. 253 (Wierchy) Vol. 24, 1966, Krakow, Poland

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

*Ferens, B*

Poland/General Division. Conservation of Nature

A-5

Abs Jour : Ref Zhur-Biologiya, No 2, 1958, 4700

Author : Ferens Bronislaw

Inst :

Title : Regular Session of the State Soviet for the  
Conservation of Nature Held 15-16 November  
1957

Orig Pub : Kosmos (Pol'ska) 1957, A6, No 1, 62-69

Abstract : Account of the work done at the session;  
brief survey of the work done for the conser-  
vation of nature in Poland; report on awards  
made to leaders in the field of nature conser-  
vation; plans for further work.

Card 1/1

PERENS, B., and others

The problem of protecting birds in towns.

P. 272 (OCHRONA PRZYRODY) Poland, Vol. 6, No. 2, 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No.11, November 1957

FERENS, B.

WSZECHSWIAT. Warszawa. No. 9, Sept. 1958,

The sheldrake Casarca ferruginea. p.241.

SCIENCE

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 2,  
February 1958, Unclass.



FERENS, B.

"Jozef Kolowca (1906-1957); an obituary"

p. 37 (Chronmy Przyrode Ojczysta, Vol. 14, no. 5, Sept./Oct. 1958  
Krakow, Poland)

Monthly Index of East European Accessions (EEAI) LQ, Vol. 8, No. 1, Jan. 59.

FERENS, B.

Bombycilla garrulus. p. 263

WSZECHSWIAT. (Polskie Towarzystwo Przyrodnikow im. Kopernilka) Warszawa, Poland.  
No. 10, Oct. 1959.

Monthly List of East European Accessions (EEAI) IC, Vol. 9, no. 1, Jan. 1960.

Uncl.

L 07188-67 EWT(1) WW

ACC NR: AP6017910

SOURCE CODE: PO/0095/65/013/11-/0553/0557

AUTHOR: Ferens, B.

39  
B

ORG: Laboratory of Thermoelectricity, ~~Institute of Heat Technology~~, Warsaw (Pracownia Termoelektryczna, Instytut Techniki Ciepłej)

TITLE: Optimization of working conditions of a refrigerating thermoelement

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 13, no. 11-12, 1965, 553-557

TOPIC TAGS: thermoelectric cooling, thermal battery, refrigerating system

ABSTRACT: A method is given for finding the optimum shape of the thermoelement in refrigerating units based on the Peltier effect. The shape is optimum in the sense that it provides the best values for the refrigerating capacity and efficiency with minimum losses in the heat cycle for a given current intensity. Changes in the heat cycle characteristics are graphed as functions of the ratio of the cross-sectional area to length. Presented by B. Stefanowski on 10 June 1965. Orig. art. has: 9 formulas, 4 figures.

SUB CODE: 13,20,09/

SUBM DATE: none/

ORIG REF: 003

Card 1/1 *egh*

SATARIN, V.I.; ~~FERENS~~, N.I., nauchnyy redaktor; SHPAYER, A.L., redaktor;  
PANOVA, L.Ia., tekhnicheskiiy redaktor

[Cement production in the Polish People's Republic; special  
technology and equipment] Proizvodstvo tsementa v Pol'skoi Narodnoi  
Respublike; osobennosti tekhnologii i oborudovaniia. Moskva, Gos.  
izd-vo lit-ry po stroit. materialam, 1956. 31 p. (MLRA 9:7)  
(Poland--Cement industries)

*FERENS, N. I.*

BERNSHTEYN, L.A., inzhener; FERENS, N.I., inzhener; GRODZINSKIY, Ya.Yu.,  
inzhener.

Vacuum filters for the dehydration of slurry. TSement 22 no.6:  
4-8 M-D '56. (MLRA 10:2)  
(Cement industries) (Filters and filtration)

AREND, Rudolf; ~~PERENS~~, Zofia

Cysticercus filling the aqueduct of Sylvius. Neur. &c. polska  
6 no.3:329-341 May-June 56.

1. Z Kliniki chorob nerwowych Akad. Med. we Wroclawiu, kier.  
prof. dr. R. Arend.

(CEREBRAL VENTRICLES, diseases,  
cysticercosis of aqueduct of Sylvius (Pol))  
(CYSTICERCOSIS,  
aqueduct of Sylvius (Pol))

AREND, Rudolf; FERENS, Zofia

Osseous (calcium) plaques in the arachnoid of the spinal cord.  
Neurologia etc. polska 11 no.6:781-791 '61.

1. Z Kliniki Chorob Nerwowych AM we Wroclawiu Kierownik: prof. dr  
R. Arend.  
(ARACHNOID pathol) (CALCIFICATION case reports)

FERENSCAK, M.

Slag of blast furnaces in the construction industry. p. 9.

IZGRADNJA. (Društvo građevinskih inženjera i tehničara Srbije i  
Udruženje građevinskih i građevinsko zanatskih preduzeća Srbije)  
Beograd, Yugoslavia. Vol. 12, no. 9/10, Sept./Oct. 1958.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, no. 6.  
June 1959

Uncl.



FERENSGAK, Mihovil (Zagreb)

Economy of cranes in the building of high constructions. Gradevinar  
15 no.4:122-126 Ap '63.

FERENSCAK, Mihovil (Zagreb)

How to increase productivity. Građevinar 16 no.4:142-145  
Ap '64

FERENCACAK, Mihovil (Zagreb)

Current methods in the manufacture of large building panels.  
Gradevinar 16 no.7:238-243 Je '64

FERENSKA, Maria, mgr

Zooplankton of the Ksiezzy fish pond in Golysz. Acta hydrobiol  
7 no.1:59-70 '65.

1. Experiment Farm in Golysz of the Institute of Hydrobiology,  
Krakow, of the Polish Academy of Sciences. Submitted April 6,  
1964.

FERENSTEIN, Ludwik, inż.

Teletechnical novelties at the 31st International Poznan Fair.  
Przegl telekom 34[i.e. 35] no.5:141-147 Mj '62.

L 01181-66

ACCESSION NR: AP5025871

PO/0022/65/000/005/0129/0145

AUTHOR: Bartkowiak, Jacek (Engineer); Ferenstein, Ludwik (Engineer)

TITLE: Electronic and telecommunication industry at the 34th International Fair in Poznan

SOURCE: Przegląd telekomunikacyjny, no. 5, 1965, 129-145

TOPIC TAGS: electronic equipment, electronic component, electronics, telecommunication, communication equipment, electronic industry, telecommunication industry

ABSTRACT: The article presents a survey of products, complete assemblies and components, manufactured by the Polish electronics and telecommunications industry and exhibited at the 34-th Annual International Poznan Fair. Numerous enterprises are represented here and basic technical data are given of the most interesting new items; these include electroacoustic apparatus, television receivers, miscellaneous electronic devices and instruments, tubes, capacitors, resistors, transformers, etc. Some of the telecommunication equipment is described in greater detail, not only the performance data are given but the principle and functioning are explained. Orig. art. has: 24 figures and 6 tables.  
Card 1/2

L 01181-66  
ACCESSION NR: AP5025871

ASSOCIATION: none

SUBMITTED: 00

ENCL: 00

SUB CODE: EC

NR REF SOV: 000

OTHER: 000

JPRS

Card 2/2

FERENTS, FODOR

FERENTS, FODOR: "The development of sanitary-counterepidemic organization in the USSR and Hungary, and the operation of a regional sanitary-epidemiological station". Leningrad, 1955. Min Health RSFSR. Leningrad Sanitary-Hygienic Medical Inst. (Dissertations for the Degree of Candidate of Medical Sciences).

SO: Kyizhnava letopis' No 45, 5 November 1955. Moscow.



*FERENTS, G.*

AUTHOR: Ferents, G.

133-11-15/19

TITLE: The Development of the Iron and Steel Industry in the Hungarian People's Republic (Razvitiye chernoy metallurgii v Vengerskoy Narodnoy Respublike)

PERIODICAL: Stal', 1957, No.11, pp. 1032 - 1033 (USSR)

ABSTRACT: An historical review of the development of the iron and steel industry in Hungary is given. Data on the output of pig iron, steel and rolling products for the period 1949-1955 are given.

ASSOCIATION: The author is the Deputy Minister of the Metallurgical Industry and Machine Building of the Hungarian People's Republic.

AVAILABLE: Library of Congress  
Card 1/1

PERKINS, V. A.

AUTHOR: Gikis, A. V., Candidate of Technical Sciences, Docent  
 TITLE: Inter-University Scientific Conference on Electric Measuring Instruments and Technical Means of Automation (Mezhvuzovskaya nauchnaya konferentsiya po elektromeritel'nykh priboram i tekhnicheskim sredstvam avtomatiki)

PERIODICAL: Izvestiya Vysshikh Uchebnykh Zavedeniy, Elektromekhanika, 1958, Nr 9, pp 130-135 (USSR)

ABSTRACT: The conference was held at the Leningradskiy elektrotekhnicheskii institut imeni V. I. Ul'yanova (Lenin) (Leningrad Electro-technical Institute imeni V. I. Ul'yanov (Lenin)) on November 11-15, 1958. The representatives of eleven higher teaching establishments and three research institutes participated and a large number of specialists of various industrial undertakings were present.

Candidate of Technical Sciences P. G. Nikitin and Senior Lecturer D. A. Besukladov (Ural Polytechnical Institute) read the paper "Measuring the potential of a magnetic field by means of bismuth resistance and Hall Card 12/13 e.m.f. pick-ups"; he described a new method of producing

4-

bismuth spirals by electrolytic deposition of bismuth inside grooves of a base made of insulation material. Senior Lecturer V. A. Perkins (Kazan' Aviation Institute) presented the paper "High sensitivity magnetic gas analysers for oxygen"; the increased sensitivity was achieved by separating the heat sensitive element from the heating element.

Docent P. P. Ornatkiy (Kiyev Polytechnical Institute) presented the paper "Measurement of electrical magnitudes at infra-low frequencies by electric indicating instruments of various systems"; this is of interest since there is a demand for instruments operating at frequencies of 1.5 to 0.5 c.p.s.

Docent M. I. Iurgenzon (Leningrad Electrotechnical Institute) presented the paper "Methods of ensuring stability against interference in discrete selection systems" in which he dealt with the principles of ensuring active and passive stability against interference in the transmission of

Card 11A codes used for transmitting discrete data.

FERENTIS, V.A.

**(9) 6 (2) a**

$$s(2) = \frac{1}{2} \left( \frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

**FILE**

## PERIODICALS

## ABSTRACT:

5/1 P-203

508/119-59-3-13/15

**RECEIVED**

The Inter-university Scientific Conference  
on Electrical Measuring Instruments and on the Technical  
Means of Automation (Mezhrusskovskaya nauchnaya  
konferentsiya po elektromeritel'nym priboram i  
tekhnicheskimi sredstvam avtomatiki).

1050 N-1. pp 30-31 (U352)

The conference was held at the Leningradsky Elektrotekhnicheskiy Institut Im. V. I. Olyanova (Leningrad) (Leningradskiy Elektrotekhnicheskiy Institut Imeni V. I. Olyanova (Lenin)) in November 1958. It was attended by more than 500 representatives of universities, scientific research institutes, and other organizations from 30 lectures were delivered in the framework of this conference. In opening the conference the speaker stressed the outstanding importance of the scientific work undertaken for the development of national economy. M. Shumilovskiy in his lecture of "Radiative Transfer in the Development of Methods of Radiative Transfer" stressed the importance of radiative transfer in the development of atomic energy.

**Control of Production Dips and Outages**

Possibilities of using radioactive methods in such control.

Ye. G. Shramov and Ye. A. Spoktor reported on a new method of measuring heavy direct currents with the help of saturated absorption magnetic resonance. M. A. Rosenblatt offers a solution of the application of magnetic amplifiers in automatic control systems.

The prospects of automated and in measuring techniques.

Reported on the present-day state of the art of automatic control techniques.

The lecture by E. G. Boldyrev shows some peculiar features of the prospects offered by automatic pulse systems of stability of discrete automatic control.

Ushakov discussed the main trends in the development of mathematical analog computers and their applications designed for industrial use.

The report correlator by V. I. Rabinovich deals with an electronic system for the calculation of correlation functions.

M. I. Turgenanin reports on the results of investigations of wind in the ionosphere, which guarantee investigation of winds in the ionosphere, disturbances in the ionosphere.

Reported on the most important problems from disturbances in the ionosphere.

Case: 2/3

Case 3/5



FERENYI, Antal, Dr.; JOOS, Marta, Dr.; SOLTESK, Injosna

Exercise therapy in osteoarticular tuberculosis. Tuberkulozis 10  
no.3-4:78-80 Mar-Apr 57.

1. Az Allami Fodor Jozsef Tbc. Gyogvintezet (Igazgato foorvos:  
Risko Tibor dr.) II. sz sebeszeti osztalyanak (foorvos: Borsay Janos  
dr.) kozlemeny.

(TUBERCULOSIS, OSTEOARTICULAR, ther.  
exercise ther., evaluation of eff. (Hun))

(EXERCISE THERAPY, in various dis.  
osteoarticular tuberc., evaluation of eff. (Hun))

FERER, I. M.

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I. 32031-65 EAT(m) DIAAP  
ACCESSION NO. AP5005951

8/0048/45/029/002/0258/0265

AUTHOR: Listergarten, M.A. ; Feresin, A.P.

TITLE: The effect of nuclear structure on L shell internal conversion coefficients  
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Results are derived on the basis of our previous work. V. I. Izv. Ak. SSSR Ser. fiz. 23. 25-26, 1974.



105 005951

... and to determine the relative contributions of the different nuclear pro-  
cesses. The results obtained for the  $\text{Pa}^{231}$  transition agree with those of E.L. Church  
(Phys. Rev. (Med.) 29, 502, 1961), although these authors did not take into account  
the conversion matrix elements. This agreement is in good agreement with the  
anomaly. The formulas were also employed to calculate  
between the L shell internal conversion coefficients and the

... figures, and the

L 06496-67 EWT(m)  
ACC NR: AP7000460

SOURCE CODE: UR/0367/66/004/001/0066/0071

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ABSTRACT: Anomalies in internal conversion coefficients are connected with the difference in the selection rules for  $\gamma$ '-transitions and conversion transitions, due to the penetration of an electron into the nucleus. In cases when the first terms in the expansion of the penetration conversion matrix elements are negligible, higher terms play a significant role, and selection rules with respect to asymptotic quantum numbers are obtained for them. Orig. art. has: 7 formulas and 1 table. [Based on authors' Eng. abstr.] [JPRS: 37,330]

ORG: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

TOPIC TAGS: gamma transition, nuclear physics

SUB CODE: 20 / SUM DATE: 07Jul65 / ORIG REF: 014 / OTH REF: 012

Card 1/1 hLE

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1. Head, Reactor Group of the Duro Dakovic Enterprise, Slavonski  
Brod (for Feretic). 2. Nuclear-Power Sector of the "Energoprojekt"  
Enterprise, Belgrade (for Mojovic).

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1. Vysoka skola ekonomicka, Bratislava.

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"Analysis of Past Investigations and the Characteristics of the Fauna of "Zitny" Island (Danube Lowlands) with Special Attention to Avifauna."

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Abstract: The history of the island is discussed. 100 years ago the area was a true island, but now only during very high water in the spring is there a separation of the land from the Danube lowlands. The surface of the "island" is 1885 sq. km. During the vegetation period the average temperature is 15°C. General characteristics of the fauna in the area are discussed. A full list of the birds living and nesting in the area, as well as those birds who stay just part of the year is given. Altogether 254 different forms of birds were found. There are typical European birds, Palearctic birds, Mediterranean, and Transmediterranean birds. Description of birds nesting in the  
1/2

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Russian, 4 Hungarian references.

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Uncl.

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L 9744-66

ACC NR: AF6001128

SOURCE CODE: CZ/0049/65/000/002/0109/0121

AUTHOR: Feriancova-Masarova, Zora—Feriantsova-Masarova, Zora (Doctor; Candidate of sciences); Kalivodova, Eva (Graduate biologist) 3/23

ORG: Department of Biology and Wild Life, Institute of Biology, Slovak Academy of Sciences, Bratislava (Oddelenie biologie a tvorby krajiny Biologického ustavu Slovenskej akademie vied)

TITLE: Influence of the stack gases of the aluminum plant at Ziar upon Hron upon the bird population in its neighborhood

SOURCE: Biologia, no. 2, 1965, 109-121

TOPIC TAGS: air pollution, industrial waste, industrial plant, aluminum, plant injury, biologic reproduction

ABSTRACT: It seems that the population of birds is influenced mainly by the presence of fluorine. Because of the systematic fluorine discharge, trees, mainly evergreens and fruit trees, are affected; in the second step all trees, even deciduous ones, suffer. As a result of these changes, facilities for nest building by the birds are reduced. Some kinds of birds find nesting possibilities at the border areas; the areas will change in the same way as the destruction of further vegetation bases will proceed. Orig. art. has: 4 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: none / ORIG REF: 025 / OTH REF: 002 / SOV REF: 001  
Card 1/1 2

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1. Ustav biologie krajiny, Slovenskej akademie vied a Vyskumny  
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Ecology

CZECHOSLOVAKIA

FERIANCOVA-MASAROVA, Zora; Institute of Rural Biology,  
Slovak Academy of Sciences (Ustav Biologie Krajiny Slovenskej  
Akademie Vied), Bratislava.

"Rice Fields of Danube Lowlands as an Example of Man's Inter-  
ference with Nature, and their Influence on Temporary Changes  
in the Ornithofauna."

Bratislava, Biologia, Vol 21, No 5, 1966, pp 390 - 394

Abstract: The author discusses her study of birds in the area of  
the rice fields, which she conducted in 1953 - 1957, and predicts  
what changes will be probably caused when the planned work near  
the river Danube in Slovakia is completed. 5 Czech, 1 Western  
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1. Očna klinika Medicinskog fakulteta u Zagrebu (predstojnik prof. dr. Zvonimir Pavisic). (Priljeno 24.V.1953)

(EYE, dis.

\*scrofulosis)

(SCROFULA

\*eye)

PERIODIC REPORTS, I.

The treatment of experimental tuberculosis of the rabbit  
eye with sodium p-aminosalicylate.

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PERIC-SEIWERTH, Feodora, Dr.

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  - (TRACHOMA, complications,
    - scrofula of the eye & extra-ocular tuberc. (Ser))
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    - eye, with trachoma of other eye & extra-ocular tuberc. (Ser)
  - (EYE DISEASES, complications,
    - scrofula with trachoma of other eye & extra-ocular tuberc. (Ser))
  - (TUBERCULOSIS, complications,
    - extra-ocular tuberc, with trachoma of one eye & scrofula of other (Ser))

PAVISIC, Zvonimir; FERIC-SEIWERTH, Feodora

Results of the treatment of ocular syphilis in our experience. Rad.  
med. fak. Zagreb. 10 no.2:81-94 '62.



YUGOSLAVIA

FERIĆ-SIEMERTH, Feodora, Eye Clinic (Očna Klinika), Faculty of Medicine  
(Medicinski Fakultet), Zagreb.

"The Course of Treatment in the Case of Complications in Strabismus from  
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Zagreb, Radovi Medicinskog Fakulteta u Zagrebu, Vol 11, No 2, 1963, pp  
131-139.

Abstract: [Author's German summary modified] The article provides a  
brief description of the treatment of amblyopic eyes with eccentric fix-  
ation on the "Euthiscope," "Coordinator," and "Synoptophore" (Cuepper  
method). The author regards these methods as advisable in such cases on  
the basis of her own results, viz., 66 percent achieved normal corres-  
pondence, 80 percent achieved fusion, and 46 percent achieved stereo  
vision.

Two tables, three drawings, one Yugoslav and 10 Western references of  
recent date.

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FIERICEANU, Gheorghe

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(CORONARY DISEASE, manifestations,

\*body temperature, asymmetry of axillary temperatures)

(HEAT DISEASE, manifestations,

\*body temperature, asymmetry of axillary temperatures)

(BODY TEMPERATURE, in various diseases,

\*carditis & coronary dis., asymmetry of axillary temperatures)